GCCS FUEL RESOURCE ANALYSIS (FRAS)
VERSION 1.2.5 TEST PLAN

There are five (5) capabilities included in FRAS VERSION 1.2.5. The capabilities are; the menu from which the user will access the specific activity to be accomplished; two (2) ORACLE programs; the download and upload procedures; and the UNIX/GAIN scripts that provides the linkage between the menus and the programs.

The testing of the menus and scripts is automatic because if the five (5) operational menu options do not link to the script then the ORACLE/UNIX scripts will not execute. The operational menu options are FORCE LIST, PLANNING FACTOR, DOWNLOAD, UPLOAD, and EXIT.

The FORCE LIST menu option is an combination of UNIX/ORACLE scripts. The UNIX scripts are FRAS.forcelist.start and FRAS.forcelist.copy. The ORACLE script is FRAS.frcproc.sql. The FRAS.forcelist.start is the driver for the forcelist routines. There is a FRAS unique ORACLE table, regions, that is required prior to running the FRAS.frcproc.sql script. This routine uses the region.txt file and ORACLE sqlload module to build this table. It writes a message to the user that the forcelist extract process is starting. The FRAS.frcproc.sql script is executed. This script uses three (3) GCCS CORE Database tables. From the three (3) GCCS CORE Database tables and from the FRAS regions table, data is extracted and stored in a temporary FRAS table (FRCHLD). Data from this hold table is spooled to a UNIX file. The FRAS.forcelist.start writes a message to the user that the extract process is completed. Then the FRAS.forcelist.start script execute the FRAS.forcelist.copy script. The FRAS.forcelist.copy scripts request the user to insert a FORMATTED DOS disk in the floppy device and to depress the RETURN KEY when he is ready. If the floppy device contains a valid floppy disk, the script will convert the UNIX file to DOS and will store the resulting file on the floppy disk. Otherwise, it will write a message to the user stating the problem and will try to help the user with the problems if it can. The FRAS.forcelist.copy script will delete all of the ORACLE tables that were built by the FRAS.forcelist routines. The FRAS.forcelist.copy will write a message to the user reminding him to remove his floppy disk from the floppy device and will return the user to the menu.

The Planning Factor menu option is an combination of UNIX/ORACLE scripts. The UNIX scripts are FRAS.planfactor.start and FRAS.planfactor.copy. The ORACLE script is FRAS.pln_proc.sql. The FRAS.planfactor.start is the driver for the planning factor routines. It writes a message to the user that the planning factor extraction process is starting. The FRAS.pln_proc.sql is executed. This scripts uses four (4) GCCS CORE Database tables. From these four GCCS CORE Database tables, data is extracted and stored in three FRAS temporary tables. Data from two of the work tables is stored in the main work table. From the main work table, data is spooled to a UNIX file. The FRAS.planfactor.start writes a message to the user that the planning factor extraction process is completed. Then the FRAS.planfactor.start script execute the FRAS.planfactor.copy script. The FRAS.planfactor.copy script requests the user to insert a FORMATTED DOS disk in the floppy device and to depress the RETURN KEY when he is ready. If the floppy device contains a valid floppy disk, the script will convert the UNIX file to DOS and store the resulting file on the floppy disk. Otherwise, it will write a message to the user

stating the problem and will try to help the user with the problems if it can. The FRAS.planfactor.copy script will delete all of the ORACLE tables that were built by the FRAS.forcelist routines. The FRAS.planfactor.copy will write a message to the user reminding him to remove his floppy disk from the floppy device and will return the user to the menu.

The Download menu option is a UNIX script. This script receives one or more arguments (files to be downloaded). This script writes a message to the user stating which file/files will be downloaded. This script requests the user to insert a FORMATTED DOS disk in the floppy device and to depress the RETURN KEY when he is ready. If the floppy device contains a valid floppy disk, the script will convert the UNIX file to DOS and will store the resulting file on the floppy disk. Otherwise, it will write a message to the user stating the problem and will try to help the user with the problems if it can. This script will write a message to the user reminding him to remove his floppy disk from the floppy device and will return the user to the menu.

The Upload menu option is a UNIX script. This script receives one or more arguments (files to be uploaded). This script builds a message file. This message file contains the argument list and the date/time that the files were being sent. This message file along with the list of files in the argument is sent to the various FRAS users. Also, this script requests the user to insert a FORMATTED DOS disk in the floppy device and to depress the RETURN KEY when he is ready. If the floppy device contains a valid floppy disk, the script will convert the DOS file/files to UNIX and will store the resulting file/files on the UNIX disk. This script will repeat the conversion process for each FRAS host site. Otherwise, it will write messages to the user stating the problem and will try to help the user with the problems if it can. This script will write a message to the user reminding him to remove his floppy disk from the floppy device and will return the user to the menu.

The Exit menu option allows the user to return to the GCCS Launch button icons.

TESTING.

1. ACCOUNTS.
    a. UNIX/GCCS accounts (userids and passwords).
    b. ORACLE accounts (ops$ accounts and disk spaces to build FRAS temporary tables).
    c. Have access to the FRAS_role (be able to access eight GCCS CORE Database tables and one of the GCCS CORE Database view).

2. FRAS MENU
    a. Log on to the system using the necessary userids and passwords. Select the FRAS icon and the FRAS MENU will be displayed if you have the proper accounts.

3. PLANNING FACTOR.
    a. Depress the Planning Factor button on the Menu.

    b. After selecting Planning Factor from the Menu, the FRAS.pln_proc.sql script will be executed. The output from this process will be a UNIX file name PLAN_FAC.TXT (note the uppercase). If the user has a workstation with a floppy device, this file will be converted to DOS and stored on the floppy disk. This file has 174 characters per record.

4. FORCE LIST.
    a. Depress the Forcelist button on the Menu. When this button is depressed, another menu will appear (list of OPLANs that the user can view). From this list (submenu) select an OPLAN and double click on the selected OPLAN.

    b. The FRAS.frcproc.sql script is executed. The output from this process will be a UNIX file. The file name will be a combination of the OPLAN_ID with an extension of INP. This file has 50 characters per record.

    (Note: Before running FRAS from the Launch Button icon, the user must have at least one row entry in the TABLE_MASTER.USER_OPLAN_PERMISSION containing his userid and OPLAN_ID that he is permitted to view).

5. DOWNLOAD.
    a. Depress the Download button on the Menu. When this button is depressed, another menu will appear (list of files that can be downloaded).

    b. Select the file or files that you would like to download. After selecting the files to be download, select DONE.

    c. The FRAS.download.exe script will read the files on the UNIX disc, will

convert the files to DOS, and will store the converted files on floppy disk.

6. UPLOAD.

a. Depress the Upload button on the Menu. When this button is depressed, another menu will appear (list of files that can be downloaded).

b. Select the file or files that you would like to upload. After selecting the files to be upload, select DONE.

c. The FRAS.upload.exe script will read the files on the floppy disc, will convert the files to UNIX, and will store the converted files on UNIX disk. This process will be repeated for each FRAS user

7. EXIT.

a. To return to the GCCS Launch Buttons icons, depress the Exit button on the Menu.